

UNIVERSITY OF CALIFORNIA, BERKELEY



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SANTA BARBARA • SANTA CRUZ

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BERKELEY, CALIFORNIA 94720

October 30, 2018

To: Jimmy Ding  
Futurewei Technologies

Subject: BAIR Membership additional fees

This letter acknowledges your expected additional membership fees to support projects in the Berkeley AI Research (BAIR) center during 2019, and requests that membership fees at the aggregate level of \$600K to be sent to my grants officer, Ms. Lauren Mitchell, at the address specified on the attached invoices. Your additional membership fees will be used to support the fellowship program within BAIR research. Payment can be by check made out to the "Regents of the University of California" or sent via wire. You may simply include this letter as a cover sheet with your payment.

As a BAIR member you will be invited to join all center events and have the benefits outlined in the enclosed whitepaper. All BAIR membership and student support is contractually unrestricted and carries no specific intellectual property rights or other promises; this provides us with needed flexibility to carry out interdisciplinary and collaborative research efforts. Nonetheless we greatly value the relationships we have with our member sponsors and look forward to a rich set of future interactions with you.

Please do not hesitate to contact me directly if you have any further questions.

Sincerely,

A handwritten signature in black ink that reads "Trevor Darrell".

Prof. Trevor Darrell  
BAIR Industrial Alliance Program Director  
CS Division, EECS Department, University of California, Berkeley  
[trevor@eecs.berkeley.edu](mailto:trevor@eecs.berkeley.edu)

**Berkeley Artificial Intelligence Research Center  
Prof. Trevor Darrell, Industrial Alliance Director**

UNIVERSITY OF CALIFORNIA, BERKELEY INVOICE

c/o Ms. Lauren Mitchell; 634 Soda Hall - MC-1776; Berkeley, CA 94720-1776; (510) 642-3417

UCB TAX ID #: 9201493119

INVOICE # BAIRHUAWEIPBF

DUE DATE: 30 Days

TO: Jimmy Ding  
Futurewei Technologies

Date: 10/30/18

BAIR MEMBERSHIP PAYMENT REQUEST

| <b>Period</b>      | <b>Item</b>                                      | <b>Amount (unrestricted support)</b> |
|--------------------|--|--------------------------------------|
| 2019 calendar year | Additional Membership Fee<br>2019-20 and 2020-21 | \$600,000                            |
|                    | (fellowship program 2 year renewal)              |                                      |

Total Requested: \$600,000

Please see payment information on following page.

## BAIR Membership Whitepaper

BAIR Steering Committee (see [bair.berkeley.edu](http://bair.berkeley.edu) for up-to-date list)

Revised May 13th 2016

### Overview

Artificial Intelligence faculty at UC Berkeley invite sponsors to join as members of the new Berkeley Artificial Intelligence Research lab (BAIR), a center to encourage rich interaction between researchers at Berkeley and their counterparts at interested industrial labs and new ventures. Retreats and events on- and off-campus and at sponsoring companies' sites will focus on specific member interests, and create a varied set of opportunities for one-on-one interaction between members and Berkeley researchers. The membership fee of \$200K will directly fund first-year fellowships, and will also support retreat and travel costs, and discretionary needs in the PI's research groups.

### A New Center

During 2016 we are launching the **Berkeley Artificial Intelligence Research** lab, which extends the previously successful Berkeley Vision and Learning Center. The goals of the center are to:

- Establish a venue that fosters direct contact between interested sponsors, students, and faculty pursuing vision and learning research.
- Offer the earliest possible student recruiting opportunities for industry partners.
- Facilitate opportunities for technology transfer and/or additional sponsored research.
- Provide fellowship funding to support first year vision and learning students and travel support for PIs and their students / postdocs.

The center will be structured based on an annual membership with a limited number of sponsor companies so as to ensure high quality interaction between their researchers and the BAIR investigators.

**Student support** through fellowships and travel grants will form the core mission of BAIR and the main goal of sponsorship funds. Each year, UC Berkeley EECS selects for admission for PhD studies in AI individuals from a pool which is two orders of magnitude larger than the number admitted. These students represent the highest strata of competitiveness in their cohort and are destined to be the future leaders of AI in academia and industry. BAIR funds will support first year students through tuition payment, stipends, and travel grants. Student bios and in-depth research results for key projects in the PI's labs will be made available to sponsors via password protected access, including supplementary materials and discussion forums to interact with all center fellows and members of participating PIs' research groups outside of specific visits and retreats.

The primary purpose of the center is to foster interaction between sponsors and center students/postdocs/faculty. These will be enhanced through the following events for BAIR members:

- Sponsor site visits
- On-campus workshops
- Fall on-campus retreat
- Spring off-campus retreat

The **site visits** to or from sponsors will provide in-depth and ongoing interaction between the sponsor and the most relevant center PIs and students, and provide a "deep dive" for PIs and students to learn about the sponsor's interests. Center PIs, fellows and other students may **visit to the sponsor's** preferred site(s) once per year; for international sites the visit may be limited to the most relevant PI

each year, and only the specific named fellow(s) for that sponsor, unless the sponsor offers to cover additional travel costs. **On-campus workshops** will be hosted for each sponsor individually, with a customized program for each sponsor. Depending on a sponsor's interests, the event may include detailed briefings of relevant work from center PIs and students, a sponsor technical presentation, student-driven brainstorming session, start-up competition, and/or PI panel discussion of research challenges relevant to the sponsor. There may be one large workshop run per year, or a series of more frequent smaller interactions (which may also be virtual if the sponsor desires). **Two annual retreats** will be the focal point of the center, and will consist of a one-day meeting on campus (e.g., at the UC Berkeley Faculty Club) in the early fall, and a two day offsite retreat in the winter or spring. Sponsors will be invited to join in both events (typically 5 per sponsor with the option to add 5 more if the sponsor pays travel costs). Retreat time will include research presentations from Berkeley and Sponsor researchers, panels focusing on key industry challenges, and "lessons learned" presentations detailing hands on experiences with current techniques. Significant time at the retreat will be dedicated to group social and recreational activities and career mentoring opportunities.

### Member Expectations

Sponsors will each provide the center with a membership fee per membership year, in one lump sum or periodically as desired by the sponsor. Membership years will run in parallel with the academic year unless otherwise noted. BAIR will be hosted within the University of California, Berkeley's School of Engineering's Engineering Research Support Organization (ERSO), in collaboration with the Center for Information Technology in the Interest of Society (CITRIS).

All membership funding is unrestricted and no specific IP rights are created as part of membership. There is no formal contract; we can acknowledge either a "gift" or a "membership fee" to the university. Membership fees are presently \$200K/year.

Each sponsor company has a steering committee representative responsible for their membership. Prof. Trevor Darrell is the BAIR PI responsible for overseeing the industrial consortium. For further information please contact any BAIR steering committee member directly, and/or Prof. Trevor Darrell, at [trevor@eecs.berkeley.edu](mailto:trevor@eecs.berkeley.edu) or +1 415 690 0822.

### Additional Opportunities for Collaborations and Interactions

Sponsored research or short/long-term visiting researcher hosting opportunities that arise would be facilitated by the center but would be formally handled through the normal UC Berkeley channels or those of affiliated organizations per the preference of the PI(s) and sponsor(s). Collaborative project driven research will be fostered by the center structure.

- BAIR members are eligible to dedicate additional sponsorship for named PhD Student Fellowships and named Post-doc Fellowships. Typical funding levels are \$300K additional for 4 named graduate fellows (per year). The sponsor will advise us on the selection of the fellows.
- BAIR members are welcome to simultaneously join the Berkeley Deep Drive Center ([bdd.berkeley.edu](http://bdd.berkeley.edu)), a \$300K/yr contracted industrial consortium that additionally offers targeted research topics and intellectual property rights for non-exclusive commercial use of software placed in a designated repository.
- Sponsor visitors may be arranged by mutual consent as to topic and the qualifications of the individual visitor relative to the group visited; an additional funding will be requested to offset visit costs (typically \$100K/year/visitor, which may be pro-rated for partial year visits). Visitor's work that is not paid by UC nor makes significant use of UC equipment will not be considered

UC IP, per UC policy.)

- Interested companies and PIs are encouraged to define additional sponsored efforts with intellectual property and research deliverables that will augment the basic center membership.
- Whether they are or are not members of BAIR, sponsors may engage individual PIs as private consultants outside of their university obligations, subject to their availability and at their hourly fee and given the appropriate disclosure of that outside relationship through the usual university channels.